

# The Integrated Lab

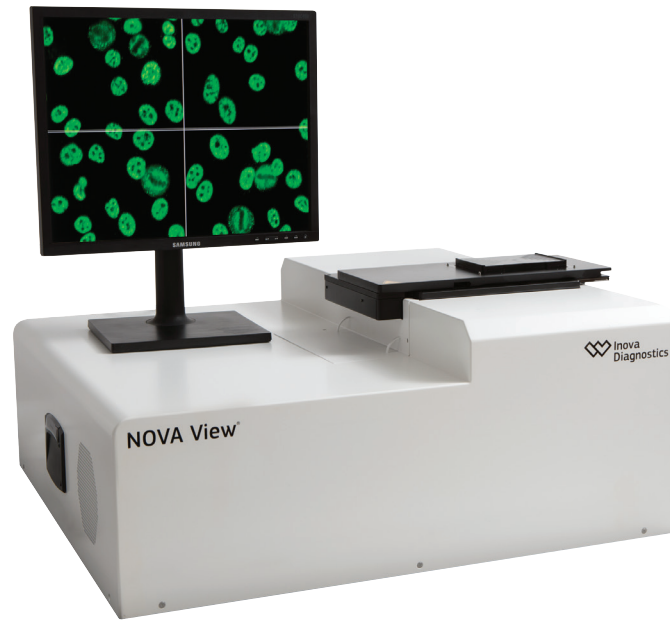
## Connected

The fully integrated autoimmune laboratory.



- Complete automation lowers cost and improves productivity
- Creates a transcription free, paperless environment
- Provides positive patient identification from processing to reporting
- Centralized data management improves workflow efficiencies

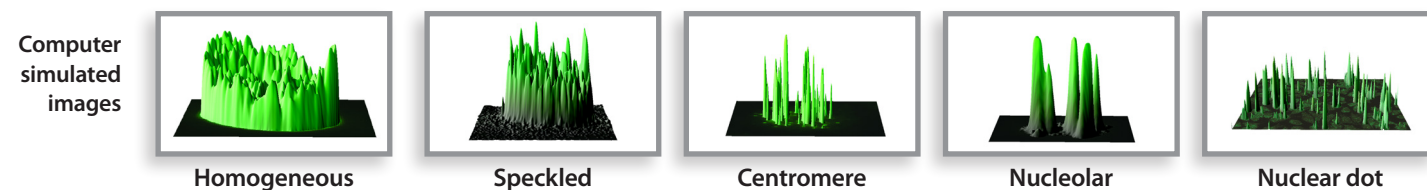
## NOVA View is an automated digital IFA microscope for the detection of autoantibodies with IFA technology.



- NOVA View automatically acquires and presents digital images of HEp-2, ANCA\* and Crithidia\* cells for operator review
- Single well titer determination for HEp-2, ANCA ethanol and Crithidia can reduce IFA workload and lower material costs
- DAPI stain provides built-in control to visualize cells in a negative well
- System calibration facilitates standardization

### NOVA View uses computer algorithms to provide consistent results.

- NOVA View uses digital technology to create images of stained IFA wells and computer algorithms to measure the nuclear light intensity within individual cells
- NOVA View measures pixel intensity and light distribution, in a manner similar to the three-dimensional histograms below



### NOVA View data base modules

#### HEp-2 ANA

Pattern interpretation with single well titer

- Homogeneous
- Speckled
- Centromere
- Nucleolar
- Nuclear dot

#### ANCA ethanol

Pattern interpretation with single well titer

- c-ANCA
- p-ANCA

#### ANCA formalin

Pattern interpretation

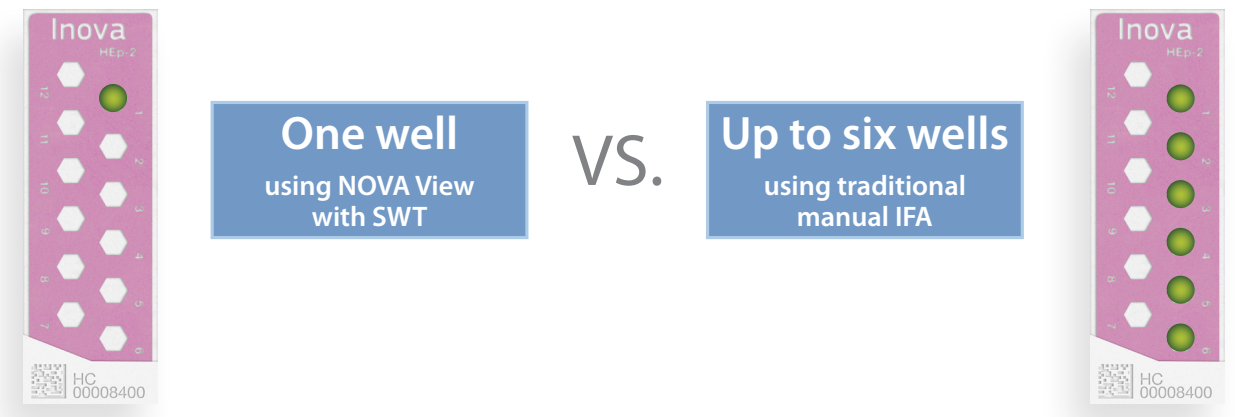
- Nuclear
- Cytoplasmic

#### Crithidia lucillae

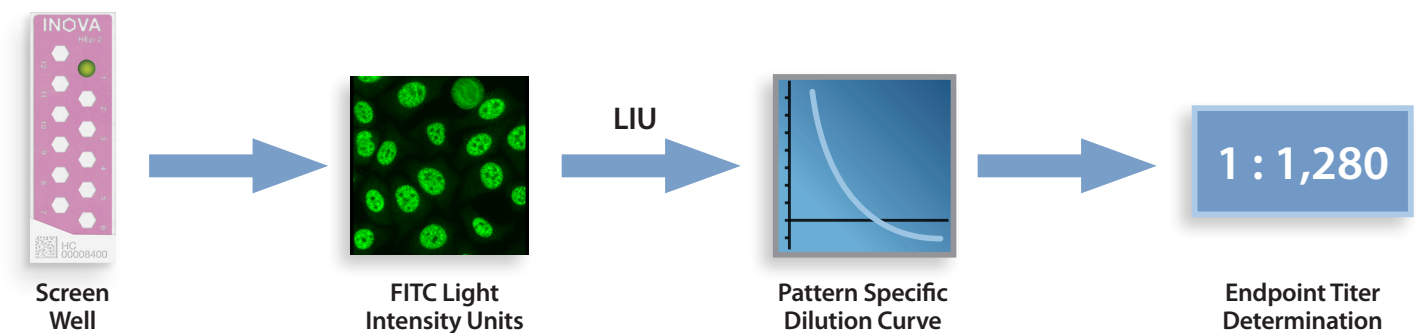
Positive/negative results with single well titer

\*NOVA Lite DAPI ANCA and Crithidia kits are not available in the US.

### Single well titer (SWT) reduces the overall number of IFA wells used to determine an endpoint titer.



NOVA View uses pattern specific dilution curves to determine the endpoint titer of a sample using light intensity units (LIU) captured from the screening well. SWT endpoint determination is available for HEp-2, ANCA ethanol and Crithidia assays.

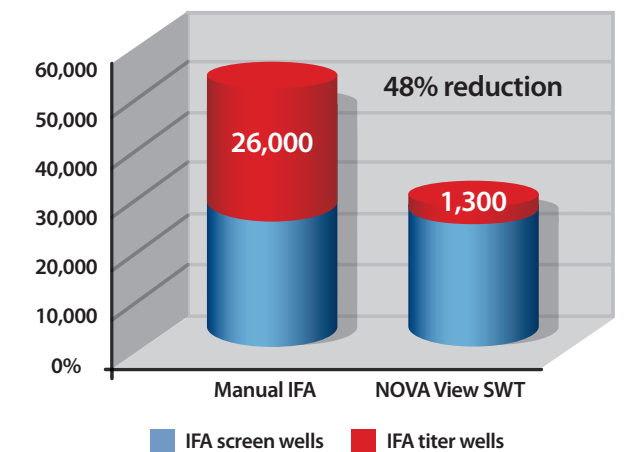


### NOVA View SWT reduces IFA workload

In this example, NOVA View SWT can reduce the total number of wells by up to 48% compared to manual IFA methods

#### Example assumptions:

- 100 samples processed each day
- 25% positive rate
- 4 dilution wells
- 5 day workweek



# The Integrated Lab

## Seamless control from processing to reporting

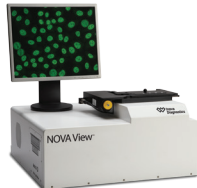


### QUANTA Link®

*Workflow management made easy*

Powerful, easy-to-use data management system that consolidates information from Inova Diagnostics instruments.

- Generate work lists and report results for all Inova Diagnostics instruments from a single location
- Connect multiple workstations within a single facility
- Levey Jennings analysis for EIA and chemiluminescent QC results
- Simplifies IFA reporting using NOVA View or in the IFA darkroom
- IFA Atlas with images to support training and proficiency testing
- Connect to multiple external locations using an intranet



### NOVA View®

*Digital IFA*

Automated digital IFA microscope for the detection of autoantibodies with IFA technology.

- NOVA View automatically acquires and presents digital images of HEp-2, ANCA and Crithidia cells for operator review
- Single well titer determination for HEp-2, ANCA ethanol and Crithidia can reduce IFA workload and lower material costs
- DAPI stain provides built-in control to visualize cells in a negative well
- System calibration facilitates standardization



### QUANTA-Lyser®

*Flexibility and efficiency*

The QUANTA-Lyser family of instruments is the most flexible automated EIA/IFA processing platform to meet the volume requirements of any laboratory.

- Available in four models, with options for standalone EIA or IFA, or combination EIA/IFA processing
- Ceramic coated washable probes deliver cost saving over disposable tip instruments
- Reads NOVA Lite IFA slide barcodes for positive patient identification



### BIO-FLASH®

*Rapid-Response Chemiluminescent Analyzer*

Full menu, random access analyzer that eliminates batching and has excellent throughput with up to 450 results in a single shift.

- Eliminates the need for batching
- Faster turnaround time with continuous loading
- Stable calibration curve



### AUTOLOADER

*Efficiently automates slide transfer with NOVA View*

Fully automated robotic system that transfers NOVA Lite IFA slides to and from NOVA View and reduces hands-on time for the high volume laboratory.

- Automatically transfers slide carriers to and from NOVA View for interpretation
- Automated barcode scanner ensures positive patient identification
- Allows for continuous loading in random order without interrupting NOVA View interpretation
- Holds up to 100 slides or 1,200 wells

[www.inovadx.com](http://www.inovadx.com)

San Diego, CA 92131 USA  
PH: +1-858-586-9900 US Toll Free: 1-800-545-9495 FAX: +1-858-586-9911

BIO-FLASH is a registered trademark of Biokit, S.A. QUANTA Link, QUANTA-Lyser, NOVA View, NOVA Lite and QUANTA Flash are registered trademarks of Inova Diagnostics, Inc. © 2016 Inova Diagnostics, Inc. All rights reserved.

690355 March 2016 Rev. 2

 **Inova  
Diagnostics**  
A Werfen Company